E14F10P85



Twin Triplexer 380-960/1350-1880/1920-2690, DC bypass for all ports, 4.3-10 connectors

- New 4.3-10 connectors for improved PIM performance and size reduction
- Twin configuration
- dc/AISG pass-through on all frequency ports

Product Classification

Product Type Triplexer

General Specifications

Color Gray
Modularity 2-Twin

MountingPole | WallMounting Pipe HardwareBand clamps (2)RF Connector Interface4.3-10 Female

Dimensions

 Height
 103.2 mm | 4.063 in

 Width
 226 mm | 8.898 in

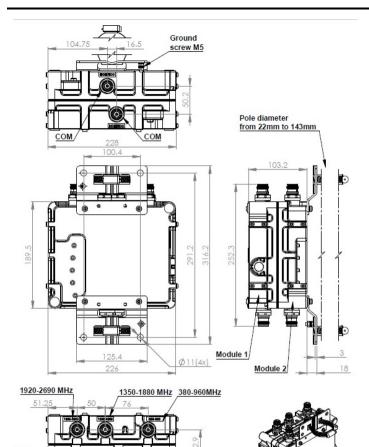
 Depth
 189.5 mm | 7.461 in

Mounting Pipe Diameter Range 42.6–122 mm

Outline Drawing



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Electrical Specifications

Impedance 50 ohm

1350-1880 MHz

Electrical Specifications, dc Power/Alarm

1920-2690 MHz

dc/AISG Pass-through PathBranch 1| Branch 2| Branch 3dc/AISG Pass-through, combinerBranch 1| Branch 2| Branch 2| Branch 3dc/AISG Pass-through, demultiplexerBranch 1| Branch 2| Branch 2| Branch 3

Lightning Surge Current 10 kA

Lightning Surge Current Waveform 8/20 waveform

Electrical Specifications

Sub-module 1 | 2 1 | 2 1 | 2

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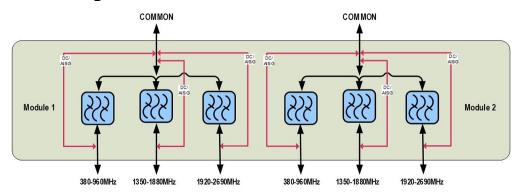
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Branch	1	2	3
Port Designation	380-960	1350-1880	1920-2690

Electrical Specifications, Band Pass

Frequency Range, MHz	698-960	1350-1880	1920-2690
Insertion Loss, typical, dB	0.25	0.35	0.35
Return Loss, typical, dB	20	20	20
Isolation, typical, dB	52	52	52
Input Power, RMS, maximum, W	200	200	200
Input Power, PEP, maximum, W	2000	2000	2000
3rd Order PIM, typical, dBc	-162	-162	-162
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram



Environmental Specifications

Operating Temperature $-40 \,^{\circ}\text{C} \text{ to } +65 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +149 \,^{\circ}\text{F})$

Corrosion Test MethodIEC 60068-2-11, 30 daysEnvironmental Test MethodETSI EN 300 019-1-4Ingress Protection Test MethodIEC 60529:2001, IP67

Packaging and Weights

Included Mounting hardware

Volume 4.45 L

Weight, net $6.5 \text{ kg} \mid 14.33 \text{ lb}$ Weight, without mounting hardware $6.5 \text{ kg} \mid 13.228 \text{ lb}$

